

LIST OF ELEMENTS

TITLE: METHOD AND APPARATUS FOR CONTROLLING
5 POSITIONING OF AN IMPLEMENT OF A WORK MACHINE

FILE: 99-639

100. forward portion
10 101.
102
103
104 work machine
105 work implement
15 106
107
108 bucket
109
110 boom
20 111 lift cylinder
112 boom pivot pin
113
114
115 pivot pin
25 116 tilt cylinder
117
118
119 tilt pivot pin
120 boom links
30 121
122
123 implement links
124 rack stops (boom boss)

125 boom boss
126
127
128 engagement structure
5 129 rack stops (boom)
130
131
132 upper surface
133 engagement structure
10 134 dump stop
135 under surface
136
200 implement control system
201 controller
15 202
203
204 implement position sensor
205 implement position sensor
206
20 207
208 valve assembly
209
210
211
25 212 main pump
213
214
215 pilot pump
216
30 217 on/off solenoid and pressure relief valves
300 rack gain table
301 safe area.
302

303
304 danger area
305 caution area
400 dump gain table
5 401 safe area
402
403
404 danger area
405 caution area
10 500 embodiment 2
501 joystick
502 joystick
503
504
15 505 control lever
506 position sensor
507
508

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